

No. 808,828.

PATENTED JAN. 2, 1906.

W. FINDLAY.
COVER FOR VEHICLES.
APPLICATION FILED DEC. 6, 1904.

2 SHEETS—SHEET 1.

Fig 1.

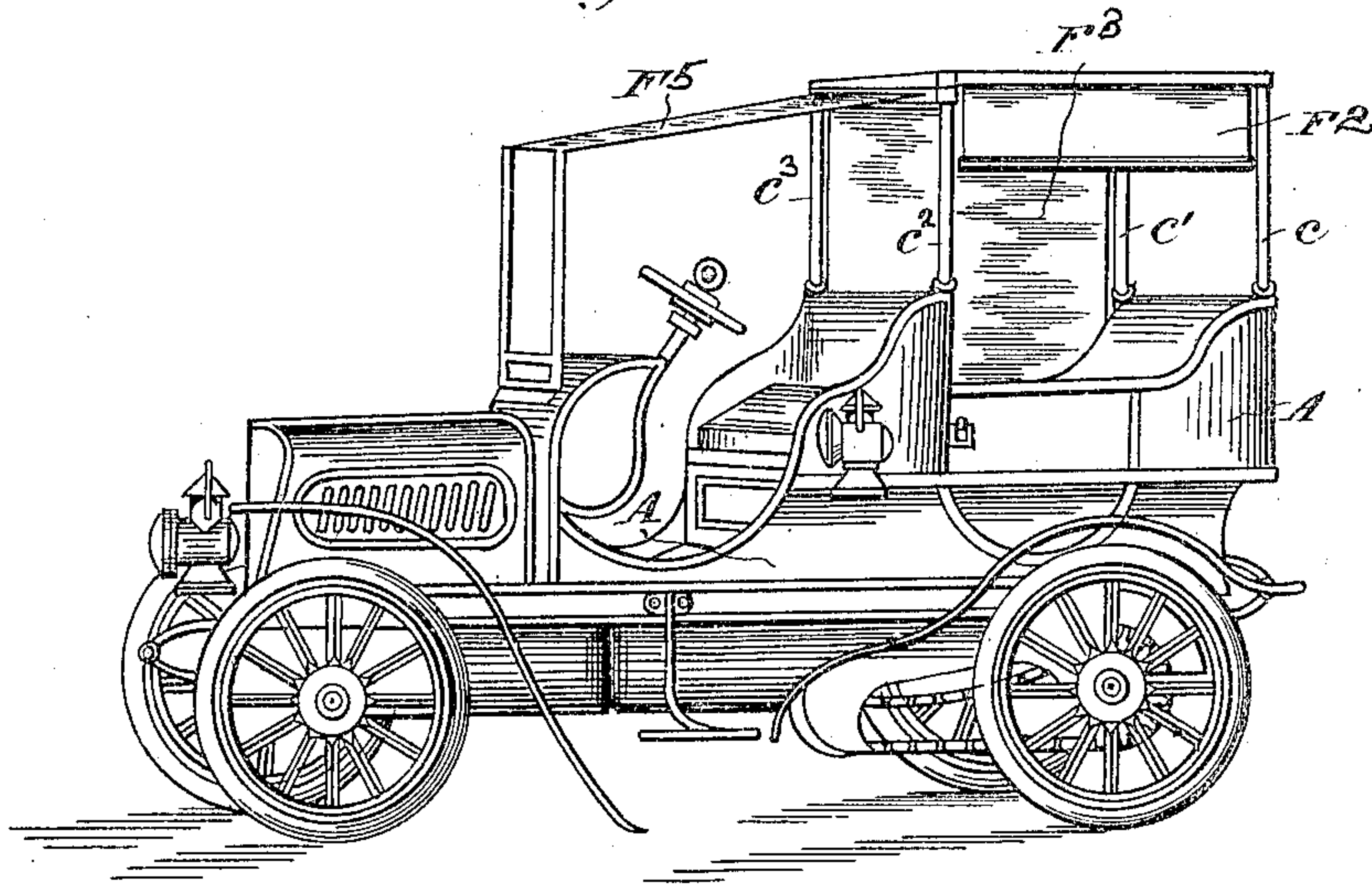
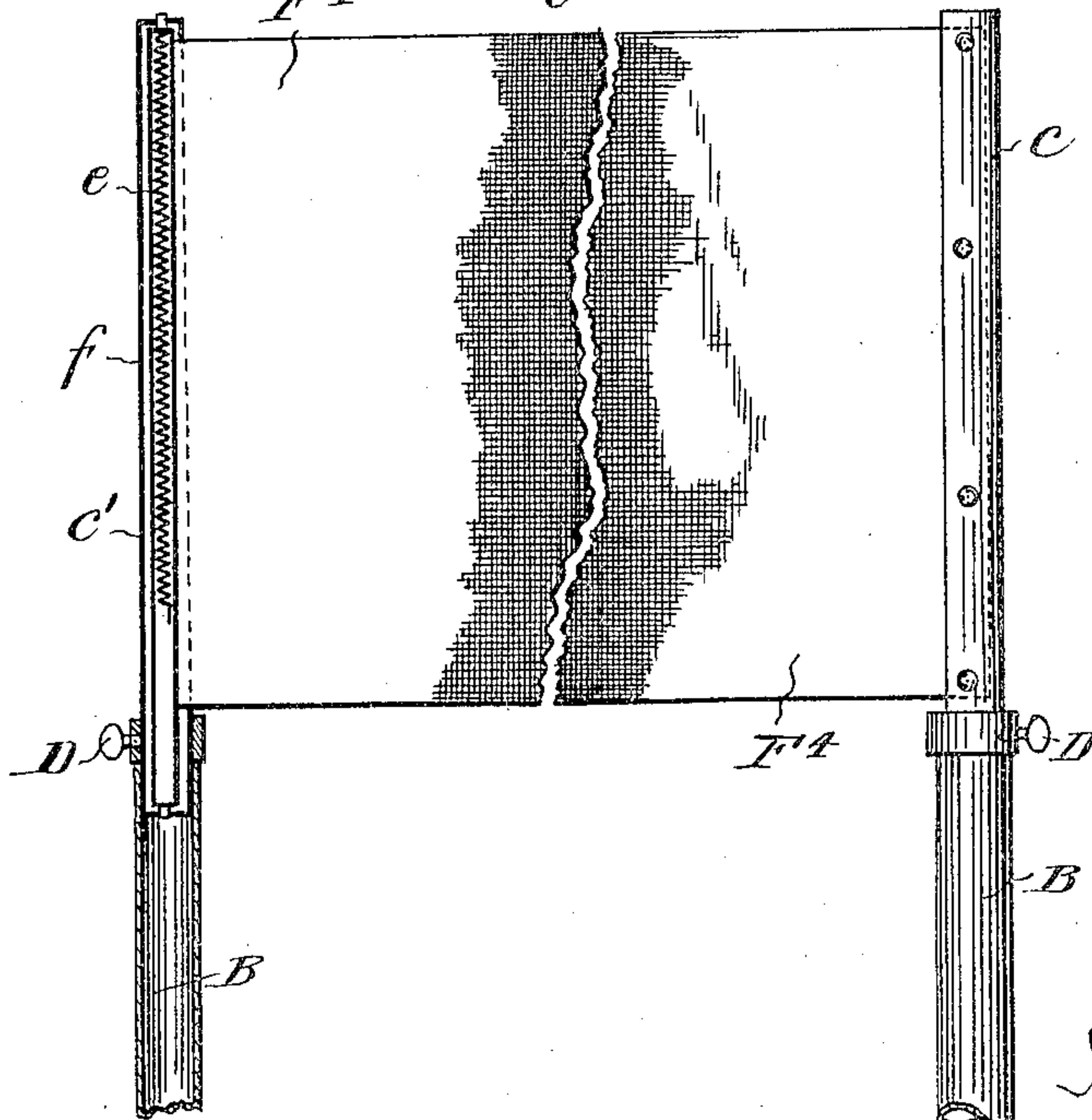


Fig 4.



Witnesses
J. M. Hymkoop
H. White.

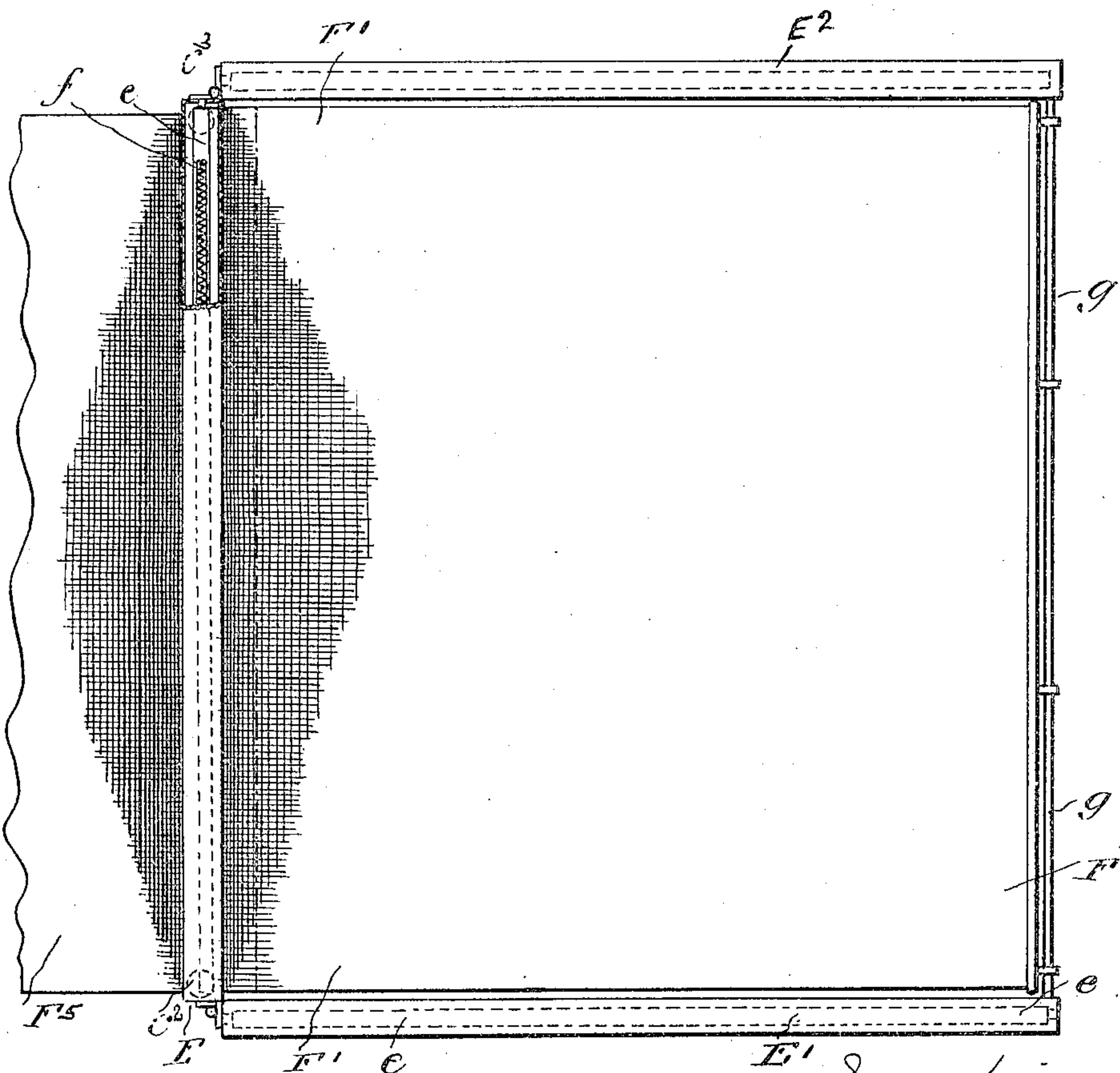
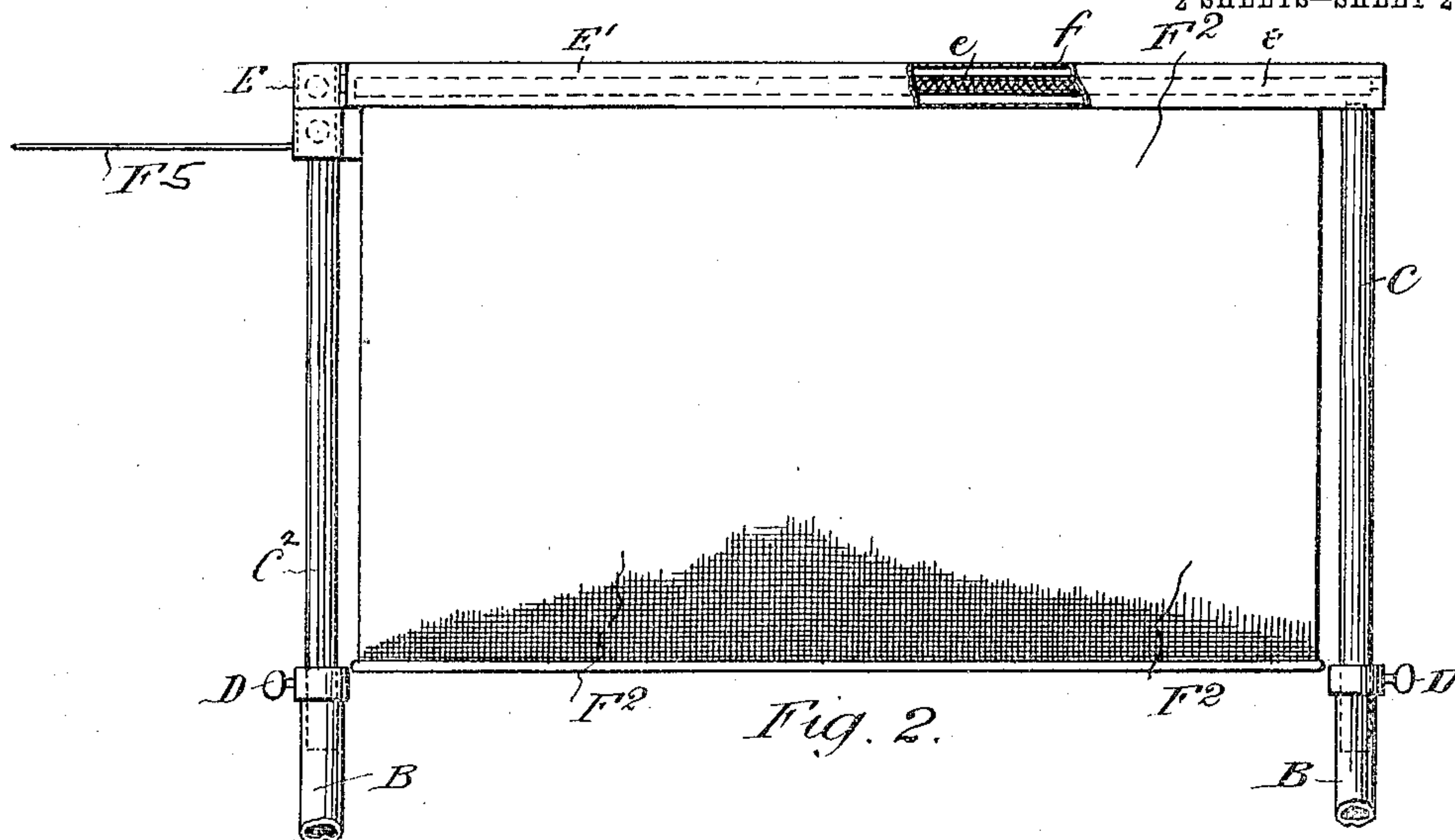
Inventor
William Findlay
by Knight Bros
Attys.

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2 SHEETS—SHEET 2.



Witnesses
J. M. Kunkopf
J. A. Whit.

Fig 3. by ^{E. J.} Inventor
William J. Findley
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UNITED STATES PATENT OFFICE.

WILLIAM FINDLAY, OF EDINBURGH, SCOTLAND.

COVER FOR VEHICLES.

No. 808,828.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed December 6, 1904. Serial No. 235,685.

To all whom it may concern:

Be it known that I, WILLIAM FINDLAY, advocate, late of 28 Rutland street, but now of 3 Great King street, Edinburgh, Scotland, have invented certain new and useful Improvements in Covers for Vehicles and the Like, of which the following is a specification.

This invention has for its object to provide a cover for the outside of cars, omnibuses, motor-cars, wagonettes, garden-seats, and such like, which when not in use is out of the way.

In order that my invention may be properly understood and readily carried into effect, I have hereunto appended two sheets of drawings, of which—

Figure 1 is a perspective view of a motor-car or automobile to which the improvements embodying my invention are applied. Fig. 2 is a side elevation. Fig. 3 is a plan of the improvements detached from the vehicle. Fig. 4 is a part vertical section and part elevation looking toward the back of what also constitutes a dust-guard at the rear of the vehicle.

In carrying out my invention, I provide at each corner or other convenient part of the vehicle A or such like a fixed tube B, into which telescope other tubes C C' C² C³, the fixed tube B being provided with jam-nuts or other suitable fastenings D for clamping the sliding tubes in any desired position. A cross-piece consisting of a box or casing E and containing a spring-roller e, spring f, with waterproof or other cover F' carried thereon, connects two of the tubes C² C³. To bring the covering into use, the cross-piece E and the tubes C² C³ connected by it are raised to the required height and the cover F' is pulled outward and fastened to the two tubes C C' at or near the opposite end of the vehicle or the like. When the cover F' is released from its hold on these tubes C C', it automatically returns to its normal position and the cross-piece E and the tubes are lowered, so that they will not be in the way. The spring-rollers e, with covers F', as aforesaid, are inclosed within boxes or casings E and form a cross-piece connecting the telescopic tubes mounted at each corner of the vehicle A. Two of these boxes or casings E' E² are hinged one at either side to the transverse boxes or casings E, which are preferably formed in one piece, as shown. To bring the covering F' into use, the cross-piece E and the tubes C² C³ are raised, as aforesaid, and the hinged boxes or casings E' E² are opened out in the manner shown in Fig. 3.

Two of the rollers with covers F' F⁵ are used for covering the top of the vehicle, one being drawn toward the front, screening the driver, and the other toward the back thereof, screening the passengers, the ends being fastened either to telescopic tubes or to a cross bar or rod g, as shown in Fig. 3. The other two covers F² F³ are used to cover the sides of the vehicle A, in which case they are drawn down and fastened to the vehicle A. When not in use, these side boxes or casings E' E², with rollers e and covers F', are folded back so as to lie close to or alongside the cross-piece E and the whole, along with the telescopic tubes B, is lowered, so as to be out of the way.

Referring to Fig. 4, the cover F⁴, constituting a dust-guard or screen, is inclosed within the telescopic tube C', which is drawn out therefrom in a vertical manner, and the cover F⁴ is then drawn across horizontally and hooked onto the corresponding tube C in the opposite corner of the car. This device may be used alone or in conjunction with the covers already described.

The boxes or casings containing the springs and rollers are formed, preferably, of cube or square section and of light metal, such as aluminium, but may be formed cylindrical or of other convenient form and material. The members or boxes E, formed of one piece, are permanently connected to the telescopic tubes C² C³, while the boxes or casings E' and E² are hinged to the casing E. Provision may be made to increase or diminish the tension on the springs f of the rollers e by means of end screws.

I claim—

In a device of the character described, the combination of a plurality of stationary tubular pillars, tubes telescoping in said pillars and adapted to be raised and lowered therein, a casing connecting a pair of said tubes and permanently secured thereto, a pair of supplementary casings hinged to opposite ends of said first-named casing and adapted to be swung out from said casing, spring-actuated rollers in each of said casings, and covers wound on said rollers and adapted to be unwound therefrom.

In testimony whereof I have hereunto affixed my signature in presence of two witnesses.

WILLIAM FINDLAY.

Witnesses:

A. H. HAMILTON,

JOHN M. MONHILL.